

04 May 2012

Cynthia Gano Cal Trans - District 8 464 W. 4th St., 6th Floor San Bernardino, CA 92401-1400

**RE:Desert Oasis** 

Work Order No.: 1205042

Attached are the results of the analyses for samples received by the laboratory on 05/02/12 16:30.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Kuhard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



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Project Manager: Cynthia Gano

**Reported:** 05/04/12 09:14

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Eastbound Hose Bib #1	1205042-01	Water	05/02/12 11:30	05/02/12 16:30
Westbound Hose Bib #4	1205042-02	Water	05/02/12 11:25	05/02/12 16:30
Raw Water	1205042-03	Water	05/02/12 11:33	05/02/12 16:30
Treated Water	1205042-04	Water	05/02/12 11:25	05/02/12 16:30

#### CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation. PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis. HOLDING TIMES: All holding times were met, unless otherwises noted in the report with data qualifiers. All quality objective criteria were met, except as noted in the report with data qualifiers.



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#### Microbiological Parameters by APHA Standard Methods Sierra Analytical Labs, Inc.

Analyte	R Result	eporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Eastbound Hose Bib #1 (1205042	-01) Water Sampled: 05/	02/12 11:30 R	eceived: 05/	02/12 16:3	0			
Total Coliforms	Absent	P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	
Westbound Hose Bib #4 (1205042	2-02) Water Sampled: 05	/02/12 11:25 F	Received: 05	/02/12 16:3	80			
Total Coliforms	Absent	P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	
Raw Water (1205042-03) Water	Sampled: 05/02/12 11:33	Received: 05/	02/12 16:30					
Total Coliforms	Absent	P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	



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#### Physical/Conventional Chemistry Parameters by Field Test Kits Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
<b>Eastbound Hose Bib #1 (1205042-01) Water</b>	Sampled:	05/02/12 11	1:30 Rec	eived: 05/0	02/12 16:30	0				
Chlorine Residual	0.610	0.100	mg/L	1	B2E0211	05/02/12	05/02/12 17:15	Test Kit		
Westbound Hose Bib #4 (1205042-02) Water	r Sampled: 05/02/12 11:25 Received: 05/02/12 16:30									
Chlorine Residual	0.820	0.100	mg/L	1	B2E0211	05/02/12	05/02/12 17:15	Test Kit		



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#### Metals by EPA 200 Series Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Treated Water (1205042-04) Water Sampled: 05/02/12 11:25 Received: 05/02/12 16:30									
Arsenic	120	6.0	μg/L	1	B2E0309	05/03/12	05/03/12 15:01	EPA 200.8	



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### Metals by EPA 200 Series Methods - Quality Control Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Maryte	Result	Limit	Omts	Level	Result	70KEC	Liiiits	KI D	Lillit	110103
Batch B2E0309 - EPA 200 Series										
Blank (B2E0309-BLK1)				Prepared	& Analyz	ed: 05/03/	12			
Arsenic	ND	6.0	μg/L							
LCS (B2E0309-BS1)				Prepared	& Analyz	ed: 05/03/	12			
Arsenic	48.9	6.0	μg/L	50.0		97.8	85-115			
Matrix Spike (B2E0309-MS1)	Sou	Prepared	& Analyz	ed: 05/03/						
Arsenic	54.1	6.0	μg/L	50.0	3.9	100	70-130			
Matrix Spike Dup (B2E0309-MSD1)	Sou	rce: 120433	2-03	Prepared	& Analyz	ed: 05/03/	12			
Arsenic	54.8	6.0	μg/L	50.0	3.9	102	70-130	1.29	30	



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#### **Notes and Definitions**

\_A Absent

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

## $\leq$

# CHAIN OF CUSTODY RECORD

CHAIN

TEL: 949 · 348 · 9389 FAX: 949 · 348 · 9115

SIERRA ANALYTICAL

26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

Lab Project No.: 1005040

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy mos. FREE Chlorine ζ 09 Return to Client X Lab Disposal \* 0 大いのの一次との Sample Disposal: Archive B# 418 0 Ó Other Preservatives - Verified By POR LABORATORY ISE ONLY - Sanole Receiot Conditions:

| Sanole Receiot Conditions: Storage Location The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIRKAL's Terms and conditions and conditions are otherwise agreed upon in writing between SIRRA and CLIRNI.

- Samples determined to be hazardous by SIRRAR will be returned to CLIRNI. Total Number of Containers Total Number of Containers Submitted to Laboratory Received by Laboratory Other Analyses Requested Appropriate Sample Container P Property Labelled Sample Seals T T Arsenic × Total Coliform × × × Desert Oasis Rest Area System # 3600044 Time: (455 C) Containers No. of Immediate Attention 54-75 Page 1-4-7-50 Page 1-4-7 Rush 24-48 hours Rush 72-96 hours Date: Time: Normal Mobile Container Type Bacti Bacti Bacti Poly Sierra Analytical Client Project ID: Turn Around Time Preservative Na Thio Na Thio Na Thio Requested: Χ× (Carrier/Waybjll No.) Matrix Water Water Water 5.2. A Received By. Water Shipped Via: Received By Received By 1550 Company: San Bernardino, CA 92401-1400 464 W. 4th Street 6th Floor 5.2.12 Date/Time 225 08 = - CO 125 CINDY GANO Time: Time Date: 909-888-5036 909-383-4389 Caltrans District 8 Sample No. Sierra 6 S 8 2 Sierra Analytical Chyls Forsyth Client Sample No. Westbound Hose Bib #4 Client Proj. Mgr.: Eastbound Hose Bib #1 Special Instructions: Client Fax. No.: Client Address: Client Tel. No.: Treated Water Client: inquished By: Relinquished By: quished By: Raw Water Printed Name: